

VERMONT PLACE & JACKIE ROBINSON PARKWAY SERVICE ROAD AREA IMPROVEMENTS & REDESIGN



Cobblestones on Median



Vermont Pl & Cypress Ave



Jackie Robinson Parkway



36" Steel Pipe Wrapped
in 48" Steel Sleeve

The Vermont Place and Jackie Robinson Parkway project improved the service road area and upgraded the 90-year-old, aging, and fragile water mains, which were located near a dozen 100-year-old cemeteries and the Ridgewood Reservoir. The badly deteriorated mains instigated ruptures and flooding that caused unnecessary havoc in these residential and commercial areas. The firm and its team worked diligently on this project, which was completed on time and within budget. The team discovered a new trunk main that was found too close to the distribution water mains, which did not match the location on the contract drawings. We could not change the trunk main's location, because there were 6" and 8" high pressure gas lines belonging to National Grid. We had to coordinate with National Grid to redesign the gas lines in order to avoid conflict with the 48" trunk main at the Intersection of Cypress Hills Street and Cooper Avenue. Only then were we able to relocate the water mains, since the trunk mains were fabricated and could not be removed nor replaced elsewhere. The Vermont Place and Jackie Robinson Parkway project resulted in a tremendous improvement of traffic flow to the community; it significantly reduced flooding in the area, and provided new water mains while eliminating the 90-year-old, cracked mains. We exceeded the client's needs by replacing 125 feet of 18" ESVP combined sewers on concrete cradles in Cypress Avenue in Queens, which had deteriorated beyond repair, as discovered during construction.



Sewer Trench Between MH#8 and MH#9



Intersection of Cypress Avenue and Vermont Place

Project: **QED990, Vermont Place & Jackie Robinson Parkway, Service Road Area Improvements & Redesign**
Location: Queens and The Bronx, NY

Client: **NYC Department of Design and Construction**
Long Island City, NY

Entrant: **KSE**
KS Engineers, P.C. New York, NY